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(54) Title: **LEPIDOPTERA VOLTAGE-GATED CALCIUM CHANNELS**

(57) Abstract: Novel nucleic acid sequences encoding *lepidoptera* calcium channel subunits, and recombinant expressions and host cells comprising the same are disclosed. Isolated *lepidoptera* calcium channel subunits, host cells expressing a *lepidoptera* calcium channel subunits, methods of producing the *lepidoptera* calcium channel subunits and antibodies specific for the *lepidoptera* calcium channel subunits are also disclosed. Methods of identifying modulators and/or inhibitors of *lepidoptera* calcium channels are disclosed

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07K 14/00, 16/00; C12N 5/10, 15/11, 15/63; G01N 33/53

US CL : 435/7.2, 69.1, 320.1, 325; 530/350, 387.1; 536/23.5

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A ✓	WO 200171042 A2 (VENTER et al.) 27 September 2001 (27.09.2001), see entire document.	1-43

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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